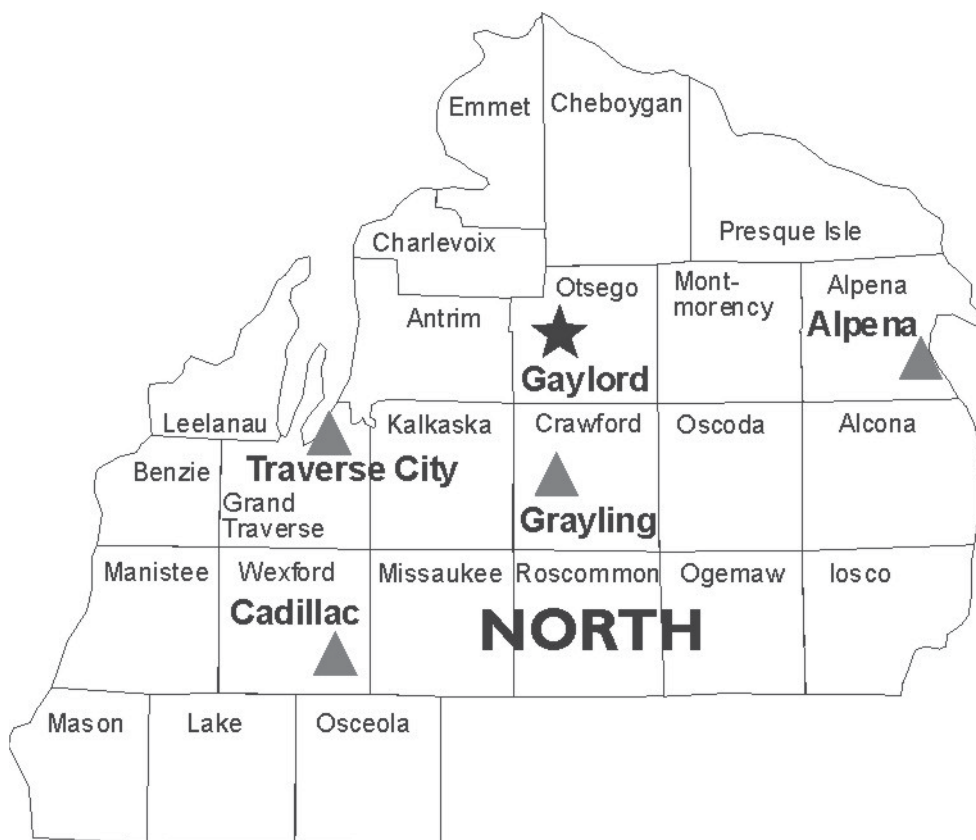


2007-2011

## Five-Year Transportation Program

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The North Region is comprised of the 24 northernmost counties of the Lower Peninsula, which are: Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Montmorency, Ogemaw, Osceola, Oscoda, Otsego, Presque Isle, Roscommon, and Wexford. Major routes include I-75, US-127, US-23, US-131, and US-31.

The North Region continues to provide quality transportation services for Michigan's highly successful year-round tourism industry. Preservation of the existing system remains a high priority. The effective passing relief lane program will be continued through 2008, with more than 12 lane miles of passing relief lanes planned for the next two years.

MDOT continues a strategy to address operational issues and the removal of congestion points, wherever possible, to ensure the smooth flow of traffic. The department also continues to address recreational and daily congestion issues in specific locations such as Alpena, Cadillac, Gaylord, Grayling, Petoskey, and Traverse City.

## **2006 Accomplishments**

Since 2002, approximately \$412 million dollars has been invested in road, bridge and safety projects in the North Region.

This translates to 509 miles of roadway reconstructed or rehabilitated, 412 non-freeway miles resurfaced, 2731 miles maintained, 25 miles of passing relief lanes constructed, 4 new or replaced bridges, and 107 bridges preserved.

During FY2006, the North Region worked on 77 projects worth more than \$61 million. Highlights of the 2006 construction program include:

### ***Continuing focus on the US-131 corridor***

Work on the US-131 corridor in FY 2006 included preservation of 12 miles of south-bound freeway in Osceola and Wexford counties, to continue the corridor approach to upgrading the surface condition of this busy stretch of highway. Year 2007 will bring a shift further north to reconstruction work on US-131 in Antrim and Kalkaska counties, between the villages of Kalkaska and Mancelona.

### ***Reconstruction of M-115 in Cadillac***

M-115 (Sunnyside Drive) in Cadillac was reconstructed using a detour to expedite construction and reduce impacts to the motoring public on a highly visible, extremely busy corridor. The project was complete and opened to traffic by the Memorial day Holiday weekend.

### ***Application of safety upgrades in the Petoskey area***

Two projects funded by the safety program on US-31 in the Petoskey area were constructed to provide intersection improvements and additional left-turn lanes, on US-31 from Manvel Road to north of Pickeral Lake Road.

### ***Major preservation work on I-75***

Preservation of I-75 freeway in the Grayling TSC area includes a resurface and repair project from the Roscommon/Crawford county line northerly to the US-127 junction. This crush and shape with hot mixed-asphalt resurfacing and guardrail upgrading project was accomplished under single lane closures with both northbound lanes open on Fridays and Saturdays, and both southbound lanes open on Sundays and Mondays. Three bridges in this same stretch of road were also preserved along with freeway sign upgrading in Ogemaw, Roscommon, Crawford, Otsego, Cheboygan and Emmet counties.

### ***Grand View Parkway in Traverse City***

Almost 7 miles of this busy tourist route was preserved with milling and hot mixed-asphalt resurfacing through the capital preventive maintenance program. Concrete joint repairs, drainage structure repairs and curbing were also included. Night work was allowed to expedite the project completion and lessen traffic impacts.

### ***East Jordan reconstruction of M-32***

Approximately one quarter-mile of M-32 in the Village of East Jordan is being reconstructed, including full depth pavement removal and replacement, drainage system improvements, curb and gutter, and sidewalk work. A detour on state and county roads was provided with local traffic maintained with flag control.

### ***M-168 reconstruction, Village of Elberta***

The 2005 SAFETEA-LU transportation reauthorization bill provided funding for this project. The earmark for this project will be used to reconstruct M-168. Construction is anticipated to occur in 2010.

## **Five-Year Road and Bridge Program**

The road and bridge preservation projects identified in this 2007 to 2011 Five-Year Transportation Program for the North Region total approximately \$237 million. Investment is allocated in the following manner:

<b>North Region</b>	<b>Amount in Millions of Dollars FY 2007 through FY 2011</b>			
	<b>Other Funding</b>	<b>Preserve First Funds</b>	<b>Jobs Today Funds</b>	<b>Total 2007-2011</b>
Road Preservation	\$149	\$0	\$0	\$149
Bridge Preservation	\$11	\$0	\$0	\$11
Road and Bridge CPM	\$69	\$0	\$8	\$77
<b>Total 2007-2011</b>	<b>\$229</b>	<b>\$0</b>	<b>\$8</b>	<b>\$237</b>

(Road Preservation includes Passing Relief Lanes, Roadside Facilities, and Non-Freeway Resurfacing)

(Amounts are rounded to the nearest million dollars)

Capital Preventive Maintenance (CPM) projects are planned for a significant number of pavements and structures that do not require extensive repairs during this Five-Year Transportation Program period. The CPM projects are short-term fixes, adding from five to ten years of life to a pavement or maintaining the existing structure condition.

<b>North Region</b>	<b>Route Miles of Road</b>	<b>Number of Bridges and Structures</b>
Total in Region	1,977	457
Scheduled to be Worked on	257	9
Percentage of Region	13%	2%

The 2007-2011 program for Road Preservation work reflects approximately 257 (13 percent) of the North Region's more than 1,977 route miles of state trunklines during the next Five-Years. This includes over 7 route miles of new passing relief lanes. The 2007-2011 program for bridge preservation work will address nine (2 percent) of the region's 457 trunkline bridges and structures.

There are also a number of programs that are selected based on statewide priorities or where project identification is completed throughout the year. These investments are not reflected above, but are included in the statewide investment strategy.

## **Corridor Improvement Strategies**

Corridor improvement strategies are being developed and implemented as individual projects. Targeted corridors are M-72, US-23, M-33, and M-115 as well as the major north-south routes of I-75/US-127, US-131, and US-31.

Access management planning, reconstruction, and passing relief lanes have been used to improve the heavily traveled M-72 corridor between Traverse City (US-31) and Grayling (I-75). A project in 2007 at the US-31/M-72 intersection will also provide traffic flow and safety improvements in Acme, one of the major points of convergence along the M-72 corridor. Funding for this project comes through the designation as a federal high priority project.

In FY 2006, the US-131 corridor strategy was implemented with preservation of 12 miles of southbound freeway in Osceola and Wexford counties to upgrade the surface condition. Year 2007 will bring a shift further north to reconstruction work on US -131 including the section between Kalkaska and Mancelona.

The M-33 corridor work includes a crush and shape with hot mixed-asphalt resurfacing project in FY2006, from north of M-32 to the Montmorency/Presque Isle county line. An important project was let in 2006, for 2007 construction, from Curtisville Road to Zimowski Road in Oscoda County, which will provide passing relief as well as improved safety. A safety funded project from Popps Road to Roman Road is planned for FY 2008, to add a center left turn lane. Other Capital Preventive Maintenance work enhances the mix-of-fixes strategy on this corridor to achieve increased remaining surface life.

The US-23 corridor work in 2006 included rehabilitation by rubbilizing and hot mixed-asphalt resurfacing from Greenbush to Harrisville. Upcoming in 2007 will be a crush and shape and hot mixed-asphalt resurface of US-23 from the Alpena county line northerly to county road 638, and the removal of a bridge at the US Gypsum plant in Alabaster. 2009 work is scheduled to include rehabilitation from Everett Road to Black River road and for 2010, rehabilitation of an existing passing relief section in Alcona County from Lakeshore Drive northerly. Additional Capital Preventive Maintenance work is planned to keep this corridor in good condition.

# 2007-2011 ROAD & BRIDGE PROGRAM

## NORTH Bridge - Replacement and Rehabilitation

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2007	2008	2009	2010	2011
CHEBOYGAN	M-33		M-33 OVER CHEBOYGAN RIVER	OVERLAY - DEEP	0.135	CON				
IOSCO	US-23		US-23 OVER PRIVATE RAILROAD (ABANDONED)	BRIDGE REMOVAL	0.180	CON				
LEELANAU	M-22		M-22 OVER CEDAR CREEK	BRIDGE REPLACEMENT	0.000	CON				
LEELANAU	M-22		M-22 OVER GLEN LAKE NARROWS	BRIDGE REPLACEMENT	0.000		CON			
MONTMORENCY	M-32 BR		M-32 OVER THUNDER BAY RIVER	BRIDGE REPLACEMENT	0.000				CON	
ROSCOMMON	US-127		M-55 OVER US-127	OVERLAY - DEEP	0.306		CON			
WEXFORD	M-37		M-37 OVER PINE RIVER	DECK REPLACEMENT	1.204					CON
WEXFORD	M-37, M-115		M-37, M-115 OVER MDOT RAILROAD	DECK REPLACEMENT	0.000			CON		
WEXFORD	US-131 BR		US-131 OVER CLAM RIVER	DECK REPLACEMENT	0.292					CON
					2.117					

## NORTH Passing Relief Lanes

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2007	2008	2009	2010	2011
EMMET	US-31		SHAW ROAD TO GRAHAM ROAD	MINOR WIDENING	1.500		CON			
GRAND TRAVERSE	M-113		FROM KINGSLEY WEST 1.4 MILES	MINOR WIDENING	1.381		CON			
LEELANAU	M-72		FROM CEDAR RUN ROAD TO GOODRICK ROAD	MINOR WIDENING	1.510	CON				
WEXFORD	M-55		WEST OF 17 ROAD TO WEST OF 21 ROAD	MINOR WIDENING	2.917	CON				
					7.308					

# 2007-2011 ROAD & BRIDGE PROGRAM

## NORTH Repair and Rebuild Roads

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2007	2008	2009	2010	2011
ALCONA	US-23		EVERETT ROAD TO BLACK RIVER ROAD	RESTORATION AND REHABILITATION	4.889			CON		
ALCONA	US-23		FROM LAKE SHORE DRIVE NORTH	RESTORATION AND REHABILITATION	1.348				CON	
ALPENA	M-32		INTERSECTION AT RIPLEY STREET IN ALPENA	RECONSTRUCTION	0.456			CON		
ALPENA	M-65		SOUTH OF VANWAGNER ROAD TO M-32	RESURFACE	16.221	CON				
ALPENA	US-23		THUNDER BAY RIVER BRIDGE TO HAMILTON ROAD	RECONSTRUCTION	2.810		CON			
ANTRIM	M-88		BELLAIRE TO CENTRAL LAKE	RESTORATION AND REHABILITATION	6.861					CON
ANTRIM	US-131		FROM ELDER ROAD NORTH TO M-66	RECONSTRUCTION	2.314			CON		
ANTRIM	US-31		FROM ELK RAPIDS TO CAMPBELL ROAD	RESTORATION AND REHABILITATION	4.697				CON	
BENZIE	M-115		FROM BRIDGE STREET EAST 4 MILES	RESTORATION AND REHABILITATION	3.469			CON		
BENZIE	M-168 (Frankfort Avenue)		FROM M-22 NORTHERLY TO ELBERTA	RESURFACE	0.940				CON	
BENZIE	M-168 (Frankfort Ave)		ENTIRE LENGTH OF M-168	RECONSTRUCTION	0.953				CON	
BENZIE	M-22		MANISTEE COUNTY LINE TO ELBERTA	RESURFACE	8.559	CON				
BENZIE	US-31		FROM BEULAH BRIDGE TO M-115	RESURFACE	0.607					CON
CHEBOYGAN	I-75		FROM INDIAN RIVER TO TOPINABEE	RESTORATION AND REHABILITATION	4.690	CON				
CHEBOYGAN	I-75		TOPINABEE ROAD TO RIGGSVILLE ROAD	RESTORATION AND REHABILITATION	5.547		CON			
CHEBOYGAN	I-75 NB		FROM US-31 NORTH TO M-108	RECONSTRUCTION	2.030	CON				
CHEBOYGAN	I-75 SB		I-75 SB FROM US-31 TO M-108 AND M-108	RECONSTRUCTION	3.069				CON	
CHEBOYGAN	M-27		FROM LINCOLN ST TO US-23	RECONSTRUCTION	0.992			CON		
CHEBOYGAN	US-23 (State Street)		CORDWOOD POINT TO GARFIELD AVE	RESTORATION AND REHABILITATION	6.943				CON	
CHEBOYGAN	US-23		FROM CHEBOYGAN EAST COUNTY LINE TO CORDWOOD	RESTORATION AND REHABILITATION	6.837			CON		
CRAWFORD	I-75 BL		FROM M-72 EAST TO M-72 WEST	RECONSTRUCTION	0.805			CON		
CRAWFORD	I-75 SB		HARTWICK PINES REST AREA	ROADSIDE FACILITIES - PRESERVE	0.000		CON			
KALKASKA	US-131		KALKASKA TO VILLAGE OF ANTRIM	RESURFACE	11.273	CON				
LAKE	M-37		US-10 (NORTH JUNCTION) TO 7 MILE ROAD	RESURFACE	10.478	CON				
LAKE	US-10		FROM BROADWAY AVENUE TO DEPOT STREET	RESTORATION AND REHABILITATION	7.740				CON	
LAKE	US-10		DEPOT STREET TO WEST OF SADDLER ROAD	RESURFACE	0.535					CON
LEELANAU	M-22		FROM M-72 NORTH TO CEDAR CREEK	RESURFACE	1.600	CON				
LEELANAU	M-22		COUNTY ROAD 675 TO M-204	RESURFACE	15.530	CON				
LEELANAU	M-22 (South Leelanau Highway)		FROM COUNTY LINE TO EMPIRE	RESTORATION AND REHABILITATION	2.693				CON	
LEELANAU	M-22 (West Bay Shore Drive)		FROM M-201 TO OMENA	RESTORATION AND REHABILITATION	5.043			CON		
MANISTEE	US-31		BETWEEN MANISTEE AND BEAR LAKE	RECONSTRUCTION	5.227	CON				
MANISTEE	US-31 (S US 31)		US-31 AT MEMORIAL DRIVE	TRAFFIC OPERATIONS OR SAFETY WORK	0.119			CON		
MANISTEE	US-31 (Chippewa Hwy)		SOUTH OF COATES HIGHWAY TO MAIDENS ROAD	RESURFACE	6.498					CON
MISSAUKEE	M-55		M-66 TO 8 MILE ROAD	RESTORATION AND REHABILITATION	8.125		CON			
MISSAUKEE	M-66		M-55 TO M-42	RESTORATION AND REHABILITATION	2.080		CON			
MONTMORENCY	BUSINESS M-32 (Business M-32)		VETERAN'S MEMORIAL HWY TO HILLMAN VILLAGE LIMIT	RECONSTRUCTION	0.757				CON	
MONTMORENCY	I-75 NB		AT VANDERBILT REST AREA	ROADSIDE FACILITIES - PRESERVE	0.000					CON
OGEMAW	M-30		FROM THE GLADWIN COUNTY LINE TO M-55	RESURFACE	7.900	CON				

# 2007-2011 ROAD & BRIDGE PROGRAM

## NORTH Repair and Rebuild Roads

COUNTY	ROUTE (COMMON NAME)	DIR.	LOCATION	TYPE OF WORK	LENGTH	2007	2008	2009	2010	2011
OSCEOLA	M-115		50TH AVENUE TO 19 MILE ROAD	RECONSTRUCTION	3.140		CON			
OSCEOLA	M-115		M-61 TO CLARE COUNTY LINE	RESTORATION AND REHABILITATION	5.821			CON		
OSCEOLA	OLD 131		FROM SOUTH OSCEOLA COUNTY LINE TO 3 MILE RD.	RESURFACE	3.010				CON	
OSCEOLA	US-131 NB		NORTH OF LUTHER ROAD TO M-115	RESURFACE	16.875	CON				
OSCODA	M-72		FROM FAIRVIEW TO CROOKED LAKE ROAD	RESTORATION AND REHABILITATION	9.248					CON
OTSEGO	I-75		RAMPS AT OLD 27	RESTORATION AND REHABILITATION	0.000		CON			
PRESQUE ISLE	M-68		CURTIS ROAD TO US-23	RESURFACE	7.090	CON				
PRESQUE ISLE	US-23		SOUTH CO. LINE TO CO. RD. 638	RESTORATION AND REHABILITATION	11.350	CON				
ROSCOMMON	I-75		FROM MAPLE VALLEY ROAD TO NINE MILE HILL ROAD	RESTORATION AND REHABILITATION	7.010					CON
ROSCOMMON	US-127 NB		AT HOUGHTON LAKE REST AREA	ROADSIDE FACILITIES - PRESERVE	0.335				CON	
ROSCOMMON	US-127 SB		AT THE HIGGINS LAKE REST AREA	ROADSIDE FACILITIES - PRESERVE	1.193				CON	
WEXFORD	M-115		MACKINAW TRAIL TO 46 ROAD	RESURFACE	1.009		CON			
WEXFORD	M-37		M-55 TO 30 ROAD	RESURFACE	11.831	CON				
WEXFORD	US-131 BR (Mitchell Street)		PEARL STREET TO CHAPIN STREET	RECONSTRUCTION	0.912			CON		
WEXFORD	US-131BR (Mitchell St)		RIVER STREET TO NORTH OF BOON ROAD	RECONSTRUCTION	2.120					CON
					251.579					